



## **Test procedure for measurement of Serum Amyloid A (SAA)**

Equinostic ApS  
Holsteinsgade 38 stth  
DK - 2100 Copenhagen  
Denmark  
T: +45 61 787 787  
F: +45 88 309 487

E: [info@equinostic.com](mailto:info@equinostic.com)  
W: [www.equinostic.com](http://www.equinostic.com)

## Test procedure for measurement of Serum Amyloid A protein (SAA)

There is no preparation of reagents.

### Measurement procedure

1. Follow the instructions in the instruction manual to operate the EVA1 spectrophotometer
2. Dispense 100 µl Buffer 1 into the cuvette.
3. Followed by 2 µl sample (or calibrator)
4. Place the cuvette in heated cuvette holder for 10 min.
5. Press the **RUN (F1)** and immediately add 100 µl Buffer 2 to the cuvette.
6. Shake the cuvette for 15 sec, preferable with a Vortex Mixer.
7. Hit the cuvette gently to a hard surface to assure enough liquid in the measuring area.
8. Before countdown replace the cuvette in the cuvette holder of the EVA1.
9. Read out result after 3 min.

### Precautions for use

#### *Sample properties*

Collect blood serum by normal means and perform the measurement while the sample is fresh. If the sample is to be stored for a long period of time, store it at -20°C or below.

#### *Measurements procedure*

Related to point 7 in the measurement procedure.

After hitting the cuvette make sure there is no bubbles – remove with tip.

### Measuring range

Approximately 10 – 300 µg/ml depending on the specific lot of the calibrator.

### Reference interval

It is recommended to determine the reference interval for the local population.

<b>Reagents</b>	<b>Cat. No</b>	
Buffer 1*	SAA10, SAA50,SAA200	Equinostic buffer
Buffer 2*	SAA10, SAA50,SAA200	Equinostic mono/polyclonal rabbit/mouse anti-human Serum Amyloid A
Calibrator	SAACAL	Equinostic human serum protein calibrator
*Included in assay		

### Calibrator

Ready to use.

### Buffer 1

The buffer 1 is ready for use. Stability is one year at 2-10°C.

**Buffer 2 (antibody)**

Stability of undiluted antibody: See expiry on the label.

Stability of prediluted antibody: 28 days at 2-8°C.

**Calibration stability**

It is recommended to recalibrate every 28<sup>th</sup> day or when reagent lot change or quality control results fall outside range as established by the individual laboratory. However, the calibration stability should be validated on the individual instrument.

**Trouble shooting**

If performance is unacceptable, try to recalibrate. Check reagents and procedure. If the problem persists, please contact Equinostic ApS.